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### **Vehicle adaptive cruise control system and method - Patent 6580996**

An automatic cruise control system and method for a host **vehicle** that includes a **vehicle** follow mode when the host **vehicle** detects an in-path **vehicle** and an ...  
[www.freepatentsonline.com/6580996.html](http://www.freepatentsonline.com/6580996.html) - 28k - [Cached](#) - [Similar pages](#)

### **Audi Worldwide > Glossary > Operation & Comfort > adaptive cruise ...**

If the braking process activated by the **adaptive cruise control** does not decelerate the **vehicle** sufficiently, an acoustic signal is triggered immediately to ...  
[www.audi.com/audi/com/en2/tools/glossary/operation\\_comfort/adaptive\\_cruise\\_control.html](http://www.audi.com/audi/com/en2/tools/glossary/operation_comfort/adaptive_cruise_control.html) - 37k - [Cached](#) - [Similar pages](#)

### **Adaptive Cruise Control**

TRW's **Adaptive Cruise Control** (ACC) technology improves upon the function of standard cruise control by automatically adjusting the **vehicle** speed and ...  
[www.trw.com/productsandtechnologies/main/0,1085,9\\_31\\_28071\\_28072%5E4%5E28072%5E28072,00.html](http://www.trw.com/productsandtechnologies/main/0,1085,9_31_28071_28072%5E4%5E28072%5E28072,00.html) - 37k - [Cached](#) - [Similar pages](#)

### **EETimes.com - Adaptive cruise control takes to the highway**

"**Adaptive cruise control** is the first system in a network of sensors," said .... That's because the space between the underside of the **vehicle** in front and ...  
[www.eetimes.com/story/OEG19981020S0007](http://www.eetimes.com/story/OEG19981020S0007) - 51k - [Cached](#) - [Similar pages](#)

### **TRW To Show Adaptive Cruise Control System That Automatically ...**

The **adaptive cruise control** system uses an automotive radar unit that automatically adjusts the **vehicle's** speed to keep an appropriate following distance ...  
[findarticles.com/p/articles/mi\\_m0EIN/is\\_2000\\_March\\_2/ai\\_59702592](http://findarticles.com/p/articles/mi_m0EIN/is_2000_March_2/ai_59702592) - 30k - [Cached](#) - [Similar pages](#)

### **DENSO Automotive OEM Products**

The **Adaptive Cruise Control** (ACC) System monitors the distance between your **vehicle** and the vehicles ahead, and regulates your speed. ...  
[www.globaldensopproducts.com/dcs/accs/](http://www.globaldensopproducts.com/dcs/accs/) - 13k - [Cached](#) - [Similar pages](#)

### **Chrysler - 2008 Chrysler 300 - Interior - Adaptive Control**

Learn about Chrysler 300's **Adaptive Cruise Control** (ACC) technology. ... The system is easily monitored from the Electronic **Vehicle** Information Center ...  
[www.chrysler.com/en/2008/300/driving\\_dynamics/adaptive\\_control/](http://www.chrysler.com/en/2008/300/driving_dynamics/adaptive_control/) - 38k - [Cached](#) - [Similar pages](#)

### **Optimal Adaptive Cruise Control with Guaranteed String Stability ...**

At the upper level, desired **vehicle** acceleration is computed based on **vehicle** ... Liang, C. and Peng, H.: Optimal **Adaptive Cruise Control** with Guaranteed ...  
[citeseer.ist.psu.edu/473270.html](http://citeseer.ist.psu.edu/473270.html) - 22k - [Cached](#) - [Similar pages](#)

### **Road Detection and Vehicle Tracking by Vision for Adaptive Cruise ...**

Road Detection and **Vehicle** Tracking by Vision for **Adaptive Cruise Control**. R. Aufrère. Laboratoire des Sciences et Matériaux, pour l'Electronique et ...  
[ijr.sagepub.com/cgi/content/abstract/20/4/267](http://ijr.sagepub.com/cgi/content/abstract/20/4/267) - [Similar pages](#)

[PDF] **Adaptive Cruise Control System Overview**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

**Adaptive Cruise Control.** System Overview. 1 Introduction. **Adaptive Cruise Control**

(ACC) is an automotive feature that allows a **vehicle's** cruise control ...

ocw.mit.edu/.../16-358JSpring-2005/9C66D9E8-81A0-45D9-A643-

CFB821E19AD8/0/acc.pdf - [Similar pages](#)

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**Active vehicle deceleration in an adaptive cruise control system - all 3 versions »**

PI Labuhn, WJ Chundrik Jr - US Patent 6,009,368, 1999 - Google Patents  
 ... Avehicle **adaptive cruise control** system having active deceleration control provides for ... through mini -mization of inter-vehicle spacing. ... 28, 1999 Sheet 1 of 3 ...  
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**Optimal Adaptive Cruise Control with Guaranteed String Stability - all 9 versions »**

CY Liang, H Peng - **Vehicle System Dynamics**, 1999 - informaworld.com  
 Page 1. **Vehicle System Dynamics**, 31 (1999), pp.313-330 0042-3114/99/3204-313 \$15.00  
 ©Swets & Zeitlinger Optimal **Adaptive Cruise Control** with Guaranteed ...  
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**Towards an understanding of adaptive cruise control - all 5 versions »**

G Marsden, M McDonald, M Brackstone - **Transportation Research Part C**, 2001 - Elsevier  
 ... as collision warning (CW) and **adaptive cruise control** (ACC) devices. ... going in this area (Hayward, 1999 ... is of fundamental importance for **vehicle** manufacturers to ...  
 Cited by 31 - [Related Articles](#) - [Web Search](#) - [Library Search](#)

**A survey of intelligent vehicle applications worldwide - all 7 versions »**

R Bishop - **Intelligent Vehicles Symposium**, 2000. IV 2000. Proceedings ..., 2000 - ieeexplore.ieee.org  
 ... driver assistance product is **Adaptive Cruise Control** (ACC), now ... In 1999, Mitsubishi introduced its new Driver ... joint Advanced Safety **Vehicle** project, including ...  
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**Behavioural adaptation to driving with an adaptive cruise control (ACC) - all 3 versions »**

M Hoedemaeker, KA Brookhuis - **Transportation Research Part F: Psychology and Behaviour**, 1998 - Elsevier  
 ... Available online 7 July 1999. ... 2.2.2. **Adaptive Cruise Control**. In the absence of a leading **vehicle** the ACC controls speed by keeping the actual speed of the ...  
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**Research advances in intelligent collision avoidance and adaptive cruise control - all 3 versions »**

A Vahidi, A Eskandarian - **Intelligent Transportation Systems**, IEEE Transactions on, 2003 - ieeexplore.ieee.org  
 ... **vehicle** initiative (IVI). Now in the beginning of the 21st century while some auto-makers have already introduced features like **adaptive cruise control** (ACC ...  
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**Stop and go controller for adaptive cruise control**

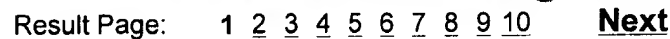
M Persson, F Botling, E Hesslow, R Johansson - ... 1999. Proceedings of the 1999 IEEE

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vehicle gateway network event "adaptive cruise control" 1995

- 1999

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**[BOOK]** [Development of Vehicle Simulation Capability - all 5 versions »](#)JW Stoner, DF Evans, D McGehee, California, Center ... - 1997 - its.berkeley.edu  
... CT6 Graphic Pipeline Gould CT6 **Gateway** 60 Hz ... **vehicle** to go airborne. ... An automated highway **network** was created for studying the use of automated traffic lanes ...[View as HTML](#) - [Web Search](#) - [Library Search](#)**[PDF]** [An Investigation of Auditory Icons and Brake Response Times in a Commercial Truck-Cab Environment](#)

J Winters - 1998 - scholar.lib.vt.edu

... As a whole, the road **network** was intended to meet ... dial gauges to monitor engine- and **vehicle**-related functions ... remains important in dealing with **events** such as ...[Cited by 3](#) - [Related Articles](#) - [View as HTML](#) - [Web Search](#) - [Library Search](#)**[BOOK]** [Contemporary Ergonomics 1997: Proceedings of the Annual Conference of the Ergonomics Society: Stoke ...](#)

SA Robertson - 1997 - books.google.com

... actions. A simulator could provide training to cope with such **events**; this research will contribute to it's development. Introduction ...[Related Articles](#) - [Web Search](#) - [Library Search](#) [Google Home](#) - [About Google](#) - [About Google Scholar](#)

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**Modular rocket engine control software (MRECS) - all 4 versions »**

C Tarrant, J Crook - Digital Avionics Systems Conference, 1997. 16th DASC., AIAA/ ..., 1997  
 - [ieeexplore.ieee.org](#)

... Such as Ease of Portability to Various Processors and **Network** Options (ie ... Sent  
 External

from the Engine (eg, to the **Vehicle** or Engine ... 0 **Gateway** Pentium Pro PC ...

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**[PS] Web Technologies for Collaborative Visualization and Simulation - all 3 versions »**

L Beca, G Cheng, GC Fox, T Jurga, K Olszewski, M ... - Proceedings of the 8th SIAM  
 Conference on Parallel ..., 1997 - [npac.syr.edu](#)

... introduction of the CGI (Common **Gateway** Interface) mechanism ... Java language,  
 downloaded

through the **network** from an ... applica- tions, such as **vehicle** design, many ...

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**Java enabling collaborative education, health care, and computing**

L Beca, G Cheng, GC Fox, T Jurga, K Olszewski, M ... - Concurrency Practice and  
 Experience, 1997 - [doi.wiley.com](#)

... introduction of the CGI (Common **Gateway** Interface) mechanism ... certain applications  
 across the **network** through the ... ap- plications, such as **vehicle** design, many ...

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**Vehicle communication control apparatus - all 3 versions »**

T Sonoda - US Patent 5,948,025, 1999 - Google Patents

... efficiency of each **network** since each **network** operates individually ... control apparatus  
 merely serves as a **gateway**. ... When the **vehicle** electronic appliances 5 and 6 ...

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**Reliability improvement of the dual-priority protocol under unreliable transmission - all 4 versions »**

N Navet, YQ Song - Control Engineering Practice, 1999 - Elsevier

... because of con"dential- ity) and the bodywork **gateway**. ... This is the case for in-**vehicle**  
 networking, where CAN ... value quickly decreases with a lower **network** load. ...

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**[book] Real-Time Systems: Design Principles for Distributed Embedded Applications**

H Kopetz - 1997 - [books.google.com](#)

... Chapter 7 also briefly introduces a number of **event**- triggered real-time ... set of  
 (computer) nodes interconnected by a real-time communication **network** (see also ...

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**[PDF] A Literature Survey on Integrated Powertrain Control**

M Andersson, K Johansson - Machine and **Vehicle** Design, Chalmers University of ..., 1998 -  
[s2.chalmers.se](#)

... Krister Johansson Presented March 1998 Machine and **Vehicle** Design ... 1.1 B

#### ACKGROUND

Today, co-ordination of the control of subsystems in a **vehicle** is limited. ...

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#### Computer Aided Design of Automotive Control Systems Using MATLAB®, Simulink®, and Stateflow TM

RJ Gran - Mechatronics in Engineering Design and Product Development, 1999 - books.google.com

... engine torque, the in the "**vehicle** dynamics" subsystem ... The complete model of an **engine**

**controller** in Stateflow ... Simulink so that external **events** that depend ...

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#### The electronic motorist - all 3 versions »

RK Jurgen - Spectrum, IEEE, 1995 - [ieeexplore.ieee.org](#)

... maps stored on CD ROM, it displays colored icons denoting the **vehicle's** present ... Calif., is a \$650 option for Alpine's Ai-NET audio **network**, It operates ...

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#### [book] Can System Engineering: From Theory to Practical Applications - all 2 versions »

W Lawrenz - 1997 - books.google.com

... CAN protocol, which stands for Controller Area **Network**, being one of the most ... for short response times for the communication of so-called **event** related infor ...

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## Patents

Patents 1 - 3 on **buffer event vehicle gateway network**. (0.02 seconds)[Sort by relevance](#) | [Sort by date \(new first\)](#) | [Sort by date \(old first\)](#)

### System and method to determine fibre channel device locations using GPS

US Pat. 6643586 - Filed Dec 17, 2001 - International Business Machines Corporation

This looping continues until GPS **event** processing terminates (ie, ... Processing commences at 500 whereupon a **buffer** is created (step 505) for storing ...

### Electrically controlled automated devices to control equipment and machinery ...

US Pat. 6647328 - Filed Dec 18, 2000 - Kline and Walker LLC

Then this innovation could stop and detain a suspect **vehicle** while retrieving any ... By downloading on a daily **event** disk along with the officers comments, ...

### Electronically controlled sealing, unsealing and/or bonding with metal strip ...

US Pat. 7259357 - Filed Sep 5, 2003 - Kline and Walker LLC

Then this innovation could stop and detain a suspect **vehicle** while retrieving any ... By downloading on a daily **event** disk along with the officers comments, ...[Google Patent Search Help](#) | [Advanced Patent Search](#)[Google Home](#) - [About Google](#) - [About Google Patent Search](#)

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L2	2	"6922701".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:20
L3	2	"6721614".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:12
L4	1	"1998".ay. and event with message with (period\$4 or interval or time or timestamp) with network and buffer with event and gateway with network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:54
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L7	0	"1999".ay. and event with messag\$4 with (period\$4 or interval or time or timestamp) same network and buffer with event and gateway with network	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:56
L8	5	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with gateway and event with (period\$4 or poll\$3 or interval\$3 or time or timestamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:59

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L9	15	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with gateway and (period\$4 or poll\$3 or interval\$3 or time or timestamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 15:59
L10	158	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:00
L11	31	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and network with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) and remot\$3 and event	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:01
L12	101	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" "intelligent cruise control") and (telecommunication or network or communication) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) same event	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:02
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L17	0	"5948025".pn. and (time or timestamp or gateway) and (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:23
L18	1	"6429789".pn. and (time or timestamp or gateway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41
L19	1	"6263269".pn. and (time or timestamp or gateway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:31
L20	760	("autonomous cruise control" or "active cruise control" or "adaptive cruise control" or "intelligent cruise control" or "engine controller") and (telecommunication or network or communication) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and remot\$3 and (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:39
L21	0	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event with (buffer or cache)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:39

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L23	0	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event with message and (buffer or cache) with message	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:40
L24	9	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and message and (buffer or cache) with message	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41
L25	27	("engine controller") and (telecommunication or network) with (interface or gateway) and (period\$4 or poll\$3 or interval\$3 or time or timestamp) with event and message and (buffer or cache) with (event or message)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41
L26	2	"6577934".pn. and (time or timestamp or gateway)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/19 16:41